

AMENDMENTS TO ABSTRACT

Please replace the abstract of the disclosure with the following amended abstract.

A replacement sheet (clean copy) for the new abstract is also submitted herewith.

ABSTRACT OF DISCLOSURE

The acoustic signal transmission includes ~~is based on generating a synthesized sound electrical signal by electrically synthesizing an audible sound signal and an insertion another signal different than the audible sound signal to generate a synthesized sound electrical signal~~ at the sending side, ~~and~~ transmitting the synthesized sound electrical signal, and extracting the insertion ~~another~~ signal ~~different than the audible sound signal~~ from the synthesized sound electrical signal at the receiving side. The extracted signal may be used for controlling machines or for transmitting information. ~~Here, generation of the synthesized sound electrical signal is made by suing a data hiding technique, for example. Accordingly, the~~ The acoustic signal represented by the synthesized sound electrical signal can be heard by human ears in the same way as the audible sound signal, while ~~and~~ the synthesized insertion ~~another~~ signal cannot be detected by human ears. The ~~Here,~~ the synthesized sound electrical signal can be transmitted as a sound wave in air space, as electrical signal through a transmission line or as radio signals such as infrared and electromagnetic waves. The synthesized sounds may also be transported or distributed ~~It is also possible to transport or distribute the synthesized sounds~~ by recording on recording media such as compact disc and DVD. ~~Also, using the signal extracted form the synthesized sound electrical signal, applications~~

such as controlling machines such as robot, transmitting text data such as information for
~~car navigation systems, computer network addresses and commercial business~~
information.

Attachment: ABSTRACT OF DISCLOSURE (Replacement Sheet)